

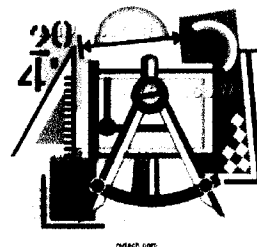
Standard #3 – Program of Study

Courses for Academy of Drafting & Design

Industry Certification Exam

(AutoCAD 2011 Certified Associate Exam)

ACADEMY OF DRAFTING & DESIGN




The academy prepares students for entrance into a broad range of drafting and design careers, such as; engineering, architecture, interior design, landscape architecture or as a computer aided design (CAD) operator in numerous fields. The students will receive intensive training on a variety of CAD programs in preparation for the AutoCAD Certified Associate Exam. Academy students take part in a unique learning environment that prepares them for direct entry and/or post secondary preparation in this growing industry. Contact Mark Van Deventer, Academy Director at 386-258-4674 or at mvandeve@volusia.k12.fl.us

COURSES FOR ACADEMY OF DRAFTING & DESIGN

9 th	10 th	11 th	12 th
Drafting I	Drafting II Engineering or Architecture	Drafting III Engineering or Architecture	Internship Block
English I	English II	English III	English IV
Geometry	Algebra II	Analysis of Function	Math
Biology I H	Physical Science	Physics	Earth Space Science
World History I H	American History IH	Social Studies elective	Econ / Gov't
Physical Education / Personal Fitness	elective	elective	elective
Critical Thinking in Reading / Global Studies	elective	elective	elective

CAREERS:

<ul style="list-style-type: none">• COMPUTER-AIDED DESIGN OPERATOR• ENGINEERING DESIGN• ENGINEERING DRAFTER• ENGINEER (MECHANICAL, CIVIL, ELECTRICAL, STRUCTURAL)	<ul style="list-style-type: none">• ARCHITECT• ARCHITECTURAL DRAFTER• MECHANICAL DRAFTER• INTERIOR DESIGN• LANDSCAPE ARCHITECTURE
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Career Cluster: Architecture & Construction		13 CORE CURRICULUM CREDITS				11 ADDITIONAL CREDITS		
	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)	
	4 credits	3 credits	3 credits	3 credits	LIFE MGMT. (.5 odt)	Major Area of Interest: Technology Education		
					PHYSICAL EDUCATION (1 odt)			

Career Cluster of interest identified by students enrolled in mandatory middle school career education course that includes interest inventory through Choices and ePersonal Education Planner through FACTS.org.

HIGH SCHOOL						
9	English 1 or English 1 Honors	Algebra I or Geometry or Geometry Honors	Biology	World History	Drafting/Illustrative Design Technology 1	
10	English II or English II Honors	Geometry or Algebra II	Anatomy & Physiology	American History	Drafting/Illustrative Design Technology 2	
11	English III or English III Honors or AP English III	Geometry or Algebra II or Analysis of Function	Marine Science, Earth Space Science or Chemistry	Social Studies Elective	Drafting/Illustrative Design Technology 3	
12	English IV or English IV Honors or AP English IV	Algebra II or Analysis of Function or Calculus	Biology II, Chemistry II, Physics II or AP Science	American Government/Economics	Advanced Technology Applications	Internship & Co-op

Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.

Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available:

POSTSECONDARY OPTIONS, BASED ON THE CAREER CLUSTER ORIENTATION AND RECOMMENDATIONS OF THE COUNSELOR		UNIVERSITY PROGRAM(S)
FLAGLER TECHNICAL CENTER Architectural & Building Technology AutoCad Foundations (Architectural) (Cert.) AutoCad Foundations (Manufacturing) (Cert.)	DAYTONA BEACH COLLEGE Architectural & Building Technology AutoCad Foundations (Architectural) (Cert.) Drafting & Design Technology Certificate	Supervision & Management/BAS, DBC Mechanical Engineering BS Civil Engineering BS

SAMPLE CAREER SPECIALTIES		
Design Drafter, CAD Drafter, Mechanical Drafter	Mechanical Detailer, CAD Operator, Industrial Designer	Drafting Supervisor, CAD Manager, Mechanical Engineer, Civil Engineer, Industrial Designer

***Possible Industry Certifications (Students):**

Secondary: (1) Autodesk (AutoCad)

Postsecondary:

Date	Time	Number of Results	Page Number	Page Total
5/10/2011	9:13 AM	11	1	1

ResultID	Authorization	Last Name	First Name	Test	Score	Date	Completed
534655	779357160	sarzier	hunter	AutoCAD 2011 Certified Associate Exam	60	5/10/2011	Yes
534656	779358206	Salimi	Cory	AutoCAD 2011 Certified Associate Exam	37	5/10/2011	Yes
534657	779360330	Kazakova	Anetta	AutoCAD 2011 Certified Associate Exam	53	5/10/2011	Yes
534658	779359334	Pasternak	Justin	AutoCAD 2011 Certified Associate Exam	53	5/10/2011	Yes
534660	779365760	Uanino	Robert	AutoCAD 2011 Certified Associate Exam	60	5/10/2011	Yes
534662	779364127	Vukelja	Zachary	AutoCAD 2011 Certified Associate Exam	57	5/10/2011	Yes
534663	779361196	Schrum	Kaitlin	AutoCAD 2011 Certified Associate Exam	57	5/10/2011	Yes
534664	779363490	Avakian	Anelia	AutoCAD 2011 Certified Associate Exam	43	5/10/2011	Yes
534665	779362246	Sanchez	Danielle	AutoCAD 2011 Certified Associate Exam	37	5/10/2011	Yes
534676	779366537	Rensel	Michael	AutoCAD 2011 Certified Associate Exam	47	5/10/2011	Yes
534679	779367799	Samuels	Shane	AutoCAD 2011 Certified Associate Exam	43	5/10/2011	Yes